User Manual

DAHUA DH-YJ104 Light Beam Detector

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1. Introduction

The DAHUA DH-YJ104 beam detector is a device designed for intrusion detection through an infrared barrier system. Its range of 5 to 100 meters and sensitivity of 1.8 dB make it a reliable solution for residential, commercial and industrial applications.

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2. Main Features

Scope: 5 to 100 meters.
Adjustable sensitivity: 1.8 dB.
Robust design: Resistant to adverse weather conditions.
Compatibility: Easy integration with alarm systems.

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3. Package Contents

1. Transmitter unit (1 piece).
2. Receiver unit (1 piece).
3. User manual.
4. Warranty card.

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4. Technical Specifications

- **Model**: DAHUA DH-YJ104. **Scope**: 5
- to 100 meters. **Sensitivity**: 1.8 dB.
- **Supply voltage**: 24V DC.
- **Consumption**: 30 mA.
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- **Operating temperature**: -35°C to 65°C.
- **Humidity**: 95% RH (non-condensing).
- **Dimensions:** 78.5mm × 123.0mm × 115.0mm
- **Weight**: 0.3 kg.

5. Installation

Prerequisites

- Required tools: screwdriver, drill and level. 12-24V DC power
- supply.
- Clear location with no obstructions between the transmitter and receiver unit.

Installation Steps

1. **Selecting the location**: Determine installation locations by making sure the area is free of objects that may block the light beam.
2. **Fixing units**: Use the included screws and anchors to mount the transmitter and receiver unit.
3. **Electrical connection**: Connect both units to the power supply.
4. **Alignment**: Adjust the position of the units using the level to ensure accurate beam alignment.
5. **Initial test**: Verify that the receiver correctly detects the beam emitted by the transmitter unit.

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6. Configuration

1. Adjust the sensitivity using the internal control on the receiver unit.

2. Set up the integration with your alarm system following your system manual.

3. Perform functional tests to ensure that the system responds correctly to beam interruptions.

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7. Operation

- Once installed and configured, the device continuously monitors the protected area.
- In case of beam interruption, the receiver sends a signal to the alarm system.

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8. Maintenance

- Periodically clean the lenses with a soft, dry cloth to prevent dust build-up.

- Check electrical connections every 6 months.
- Perform functional tests quarterly.
